

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-9 (Canceled).

Claim 10 (Currently Amended): A maintenance system comprising:
a plurality of equipment units each associated with a monitoring unit, the monitoring unit being configured to monitor for monitoring the respective equipment unit, the monitoring unit including,
~~a test unit for testing configured to test proper operation of each the respective equipment unit on proper operation and for issuing to issue fault messages in a case when [[the]] testing indicates a failure of the respective equipment unit, and a non-volatile memory unit for storing configured to store at least the fault messages;~~
~~a central maintenance unit in communication configured to communicate with [[the]] test units of the plurality of equipment units, the central maintenance unit including a diagnosis unit for checking configured to check a state of the plurality of equipment units by using the fault messages of the test units, and for generating to generate a report on an overall state of [[an]] operation of the maintenance system; and~~

a data transmission link ~~for providing~~ configured to provide a data connection between the plurality of equipment units and the central maintenance unit,
wherein

the central maintenance unit ~~is configured to make~~ makes the report ~~on the overall state of the operation~~ available on the data transmission link, and ~~wherein each of~~ the plurality of equipment units ~~further~~ include a detection circuit for detecting, capturing, and transferring configured to detect and capture the report ~~on the overall state of the operation~~ from the data transmission link, and to transfer the report from the data transmission link into [[the]] a respective non-volatile memory unit after the report on the overall state of the operation is available on the data transmission link.

Claim 11 (Currently Amended): The maintenance system according to Claim 10, further comprising:

a subset of equipment units grouping at least some of the plurality of equipment units into a group of equipment units, the subset including,
a group test unit connected to the data transmission link, ~~the group test unit testing and configured~~

to test proper operation of the equipment units of the group ~~on proper operation and issuing~~ to issue group fault messages in a case where the when testing indicates a failure of at least one equipment unit of the group, and

~~making to make~~ the group fault messages available on the data transmission link, [[;]] and a non-volatile memory unit ~~for storing~~ configured to store at least the group fault messages,

wherein

the detection circuit of the equipment units of the group ~~are further detecting, capturing, and transferring~~
detects and captures group fault messages, and
transfers the group fault messages into [[the]] respective non-volatile memory units when the group fault messages are available on the data transmission link, and ~~wherein~~
the central maintenance unit takes the group fault messages into account when making the report ~~on the overall state of the operation.~~

Claim 12 (Currently Amended): The maintenance system according to Claim 10, further comprising:

a user interface linked to the central maintenance unit by the data transmission link, ~~the user interface and~~ configured to display the report ~~on the overall state of the operation~~ to a user.

Claim 13 (Currently Amended): The maintenance system according to Claim 10, wherein the report ~~on the overall state of the operation~~ is a post flight report that includes a

log of all the fault messages ~~that were~~ received by the central maintenance unit during a flight of an aircraft.

Claim 14 (Currently Amended): The maintenance system according to Claim 13, further comprising:

an airborne external communications network[[],] connected to the maintenance system, ~~for sending and configured to send the report on the overall state of the operation to a fleet management center.~~

Claim 15 (Currently Amended): The maintenance system according to Claim 11, wherein the detection circuit

analyzes labels of messages that are transmitted over the data transmission link, and ~~retains isolates~~ the group fault messages and the report ~~on the overall state of the operation that were~~ found by analyzing the labels of the messages.

Claim 16 (Currently Amended): The maintenance system according to Claim 10, wherein the central maintenance unit ~~is configured to submit submits~~ the report ~~on the overall state of the operation when receiving an instruction after a flight upon an instruction by a user.~~